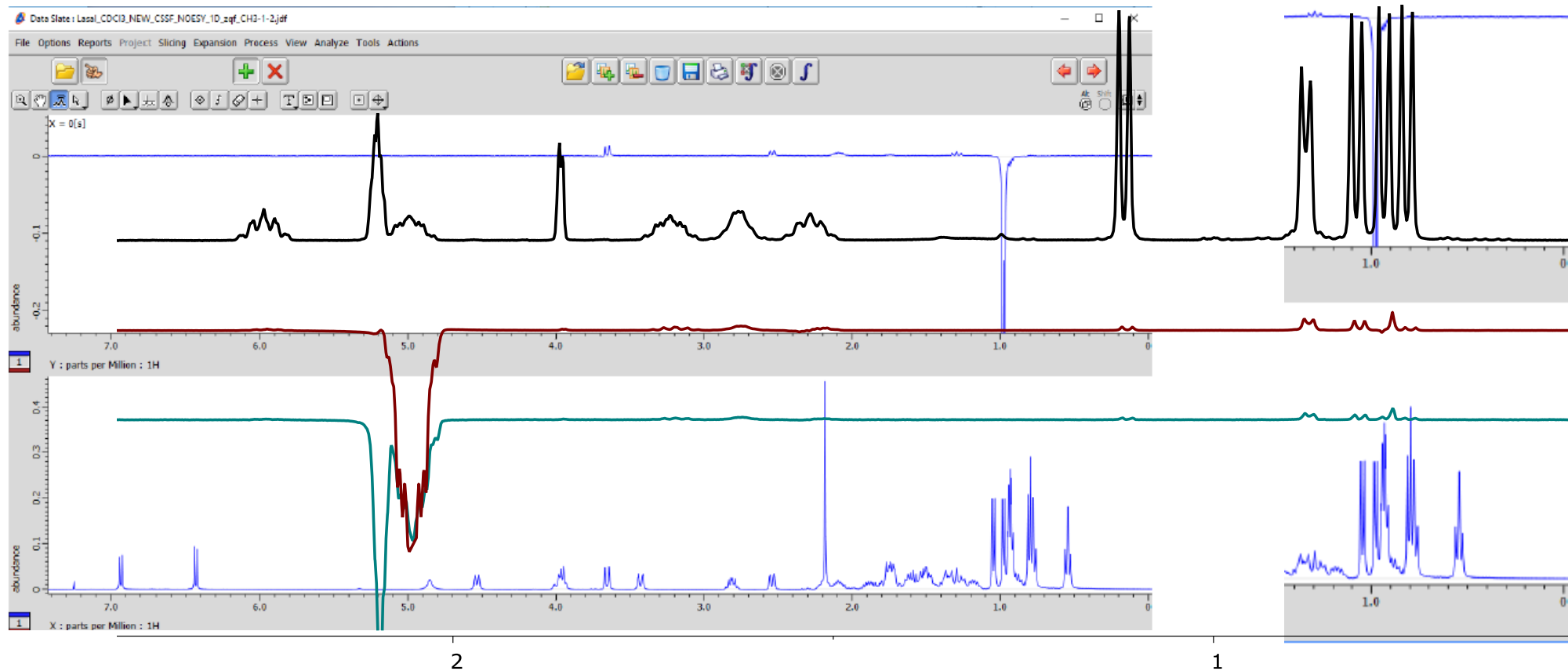
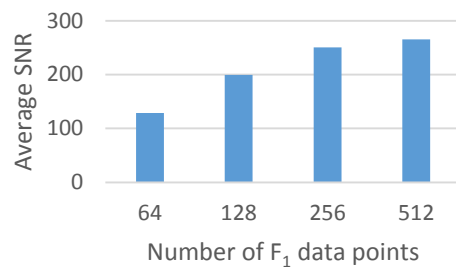


Try the CSSF 1D NOESY!

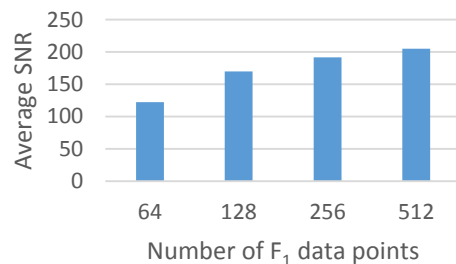


HSQC - The best resolution/sensitivity/speed

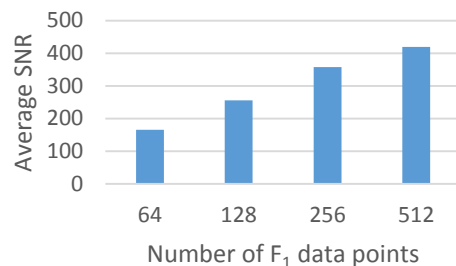
Strychnine



Progesterone



Quinine

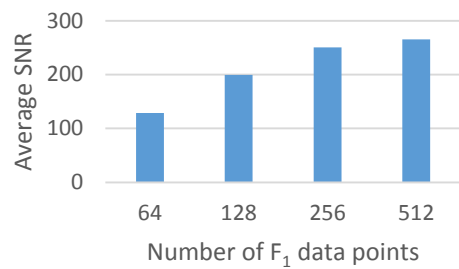


Increasing F1 resolution gives narrower (and thus taller!) peaks *i.e.* improves sensitivity

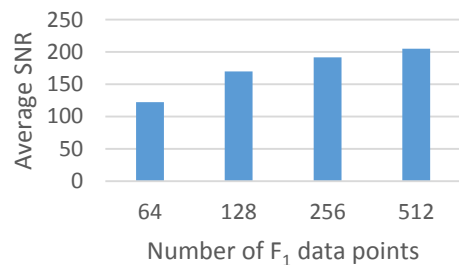
Increasing F1 resolution too much results in relaxation losses.....

HSQC - The best resolution/sensitivity/speed

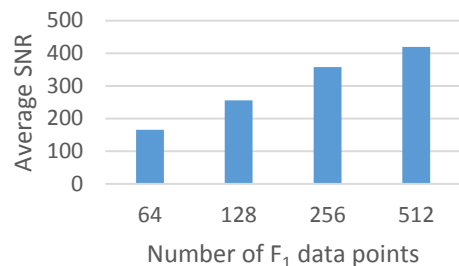
Strychnine



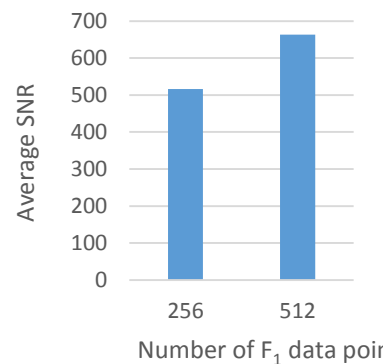
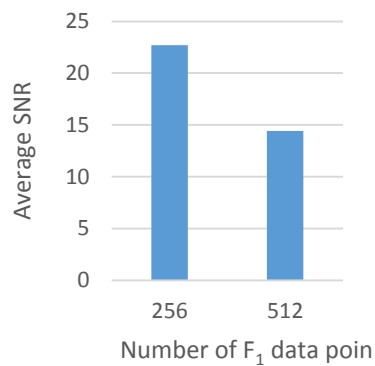
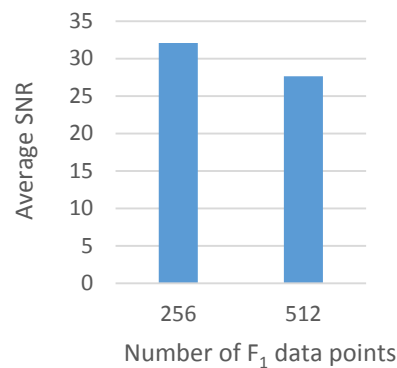
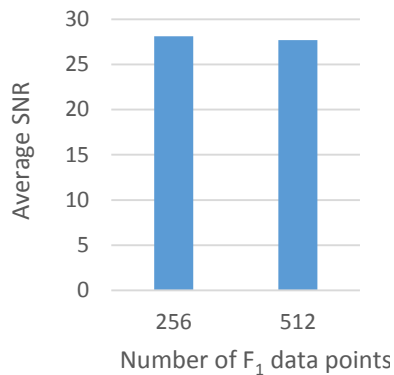
Progesterone



Quinine



Some other compounds



Optimal t1 datapoints	Varian/JEOL	Bruker
For sensitivity	256-400	512-800
For resolution	400	800
For speed	64	128

USE NUS and measure 64 out of 400 datapoints!

- 64 datapoints is all you need to measure
- The % sampled is essentially irrelevant

HSQC - The best resolution/sensitivity/speed

SUMMARY

We are moving to measuring HSQC with 64 measured
NUS increments over 400 t_1 increments